



Janaury 5, 1993

Mr. Derek Matory  
Project Manager  
North Superfund Remedial Branch  
U.S. Environmental Protection Agency, Region IV  
Waste Management Division  
345 Courtland Street, N.E.  
Atlanta, GA 30365

RE: Report of Field Observation <sup>BA</sup>  
~~Results of Air Quality Monitoring~~ - FY 93, Second Quarter  
(FY93-2Q), Lee's Lane Superfund Site, Jefferson County,  
Kentucky, Administrative Order on Consent, USEPA Docket  
No. 91-32-C

Dear Mr. Matory:

In accordance with Paragraph 11, under the heading Reporting Requirements, of the subject Consent Order and Attachment I, Operation and Maintenance Plan For Post-Removal Site Control at the Lee's Lane Landfill Site, I am enclosing one (1) copy of the Report of Field Observation (Appendix J), identified as Observation Report No. FY93-2Q, for your information and files.

Please advise if you have any questions concerning the attached Report of Field Observation for FY93-2Q.

Very truly yours,

DOCUMENT CONTROL NUMBER

4400-83-AGUW

C. A. Neumayer

Director of Operations & Maintenance

CAN/rdh  
CAN30.2P

Attachments

cc: Ms. Patricia Fremont, Remedial Project Manager  
KY/TN Section, USEPA IV  
Ms. Liza Montalvo, KY/TN Section, USEPA IV  
Kentucky Natural Resource Environment Protection Cabinet  
ATTN: Mr. Rick Hogan, Division of Waste Management  
G. R. Garner, Executive Director  
File WD-2 (Lee's Lane M&M Quarterly)



10861871

REPORT OF FIELD OBSERVATION  
LEE'S LANE LANDFILL SITE, LOUISVILLE, KENTUCKY

Observation Report No: FY93-20 Date of Observation: 12/15/92  
Time Arrived Onsite: 10:05 a.m. Time Departed Site: 11:45 a.m.  
Field Personnel: C. A. Neumayer, Director of Operations  
Richard H. Watkins, Administrator, Support Services Section, Maintenance Department

Section A: General Site Conditions

Observation:	Yes*	No	Not Observed	Comment No.
1. Major settlement of topsoil or erosion exposing waste/ fill material	—	X	—	—
2. Evidence of leachate seepage	—	X	—	A-2
3. Distressed Vegetation	—	X	—	—
4. Pot holes, erosion of access road	—	X	—	A-4

Section B: Institutional Controls

Observation:	Yes*	No	Not Observed	Comment No.
1. Structural problem with Lee's Lane gate or barricade	—	X	—	—
2. Structural problem with Putman Ave. barricade	—	X	—	B-2
3. Lee's Lane gate unlocked	—	X	—	—
4. Broken or missing lock	—	X	—	—

Section C: Gas Collection System

Observation:	Yes*	No	Not Observed	Comment No.
1. Vandalism to blower house, wells, or moisture traps	X	—	—	C-1
2. Structural damage to blower house	—	X	—	—
3. Blower not operating or visible damage	—	X	—	C-3
4. Blower house not secure and unclean	—	X	—	—

Observation:	<u>Yes*</u>	<u>No</u>	<u>Not Observed</u>	<u>Comment No.</u>
5. Service box lids not in place	—	<u>X</u>	—	—
6. Alarm and blower controls not functioning	—	<u>X</u>	—	—
7. Settlement or tilting of well/moisture trap concrete collars	<u>X</u>	—	—	<u>C-7</u>
8. Well/moisture trap covers missing or damaged	<u>X</u>	—	—	<u>C-8</u>
9. Excessive vegetation covering wells/moisture traps	—	<u>X</u>	—	—
10. Adjustment valve inaccessible	—	<u>X</u>	—	—
11. Well/moisture trap caps, plugs, and piping missing or damaged	—	<u>X</u>	—	—
12. Blower house and well/moisture trap signs missing or damaged	<u>X</u>	—	—	<u>C-12</u>

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Section D: Groundwater & Gas Monitor Wells

Observation:	<u>Yes*</u>	<u>No</u>	<u>Not Observed</u>	<u>Comment No.</u>
1. Wells unlocked	—	<u>X</u>	—	—
2. Guard posts and rails missing or damaged	—	<u>X</u>	—	<u>D-2</u>
3. Protective casing missing, damaged or rusted	—	<u>X</u>	—	—
4. Concrete pads damaged or cracked	—	<u>X</u>	—	—
5. Possible surface water infiltration into wells	—	<u>X</u>	—	<u>D-5</u>
6. Excessive vegetation or debris around wells	—	<u>X</u>	—	—
7. Well cap missing or damaged	—	<u>X</u>	—	—
8. Tubing, fittings, and valves missing or damaged (gas wells only)	—	—	<u>X</u>	<u>D-8</u>



## Section E: Bank Protection Controls

Observation:	<u>Yes*</u>	<u>No</u>	<u>Not Observed</u>	<u>Comment No.</u>
1. Subsidence of slope, sloughing or caving	—	<u>X</u>	—	—
2. Erosion of rip-rap or underlying material	—	<u>X</u>	—	—
3. Abnormally damp areas, wet ground vegetation	—	<u>X</u>	—	—
4. Soft spots in surface	—	<u>X</u>	—	—
5. Seepage, water flow, piping, or sand boils	—	<u>X</u>	—	—
6. Undermining of rip-rap	—	<u>X</u>	—	—
7. Vegetative growth on rip-rap slope	<u>X</u>	—	—	<u>E-7</u>
8. Buildup of trash and debris on rip-rap	<u>X</u>	—	—	<u>E-8</u>
9. Exposed trash or filter fabric	—	<u>X</u>	—	—
10. Tilting trees	—	<u>X</u>	—	—
11. Tension cracks	—	<u>X</u>	—	—
12. Survey monuments missing or damaged	—	<u>X</u>	—	—

## Section F: Surface Waste Cleanup/Cover

Observation:	<u>Yes*</u>	<u>No</u>	<u>Not Observed</u>	<u>Comment No.</u>
1. Swales greater than 1 foot wide and 2 inches deep	—	<u>X</u>	—	<u>F-1</u>
2. Cracks greater than 1 inch wide and 6 inches deep	—	<u>X</u>	—	—
3. Areas of erosional damage to grass	—	<u>X</u>	—	—
4. Inadequate grass cover (area > 36 ft <sup>2</sup> )	—	<u>X</u>	—	—
5. Ponded water (area larger than 2 feet in diameter and 3 inches deep)	<u>X</u>	—	—	<u>F-5</u>
6. Erosion or ponded water greater than 12 inches deep (requires immediate repair)	—	<u>X</u>	—	—

\* If yes, assign a comment no. in the last column and follow instructions on comment sheet.

REPORT OF FIELD OBSERVATION  
LEE'S LANE LANDFILL SITE, LOUISVILLE, KENTUCKY

Observation Report No. FY93-20      Date of Observation: 12/15/92

Instruction:      If any item is checked yes, provide details of the problem and maintenance recommendations below and indicate the location deficiency on the site map provided.

Comment No:

Comment

<u>A-2</u> _____ _____ _____ _____	<u>Regrowth of surface vegetation caused by above normal rainfall conditions during the summer has made accurate observation of leachate seepage below riprap impossible. No leachate seepage observed coming from riprap section of cap.</u> _____ _____
<u>A-4</u> _____ _____ _____	<u>The access road traversing the central tract of the landfill site was observed to be in drivable condition. Four (4) roadway depression areas were observed and no change in condition from prior quarter observation was noted.</u> _____ _____
<u>B-2</u> _____ _____	<u>Slight damage to Putnam Avenue guard rail caused by vehicles backing up. Evidence of entry to site beyond guard rail.</u> _____ _____
<u>C-1</u> _____ _____	<u>More evidence of damage to the concrete block gas collection system blower house and warning signs caused by small arms (50 cal.), fire. Other than the minor damage observed, the general condition of the concrete block building is good.</u> _____ _____

Comment No.

Corrective Action Performed

<u>A-2</u> _____ _____	<u>No corrective action to be scheduled until contract spraying can be arranged during FY 93, Fourth Quarter.</u> _____ _____
<u>A-4</u> _____ _____	<u>Observation of four (4) depression areas along access road will continue to be monitored quarterly.</u> _____ _____
<u>B-2</u> _____ _____	<u>Extend security cable approximately 20 feet beyond anchor point to next large tree.</u> _____ _____
<u>C-1</u> _____ _____ _____ _____ _____ _____	<u>Need to consider tuck pointing surface damage to blower house in FY 93, Fourth Quarter.</u> _____ _____ _____ _____ _____ _____

(CONTINUED ON NEXT PAGE)



REPORT OF FIELD OBSERVATION  
LEE'S LANE LANDFILL SITE, LOUISVILLE, KENTUCKY

Observation Report No. FY93-2Q      Date of Observation: 12/15/92

Instruction:      If any item is checked yes, provide details of the problem and maintenance recommendations below and indicate the location deficiency on the site map provided.

Comment No:

Comment

<u>C-3</u> _____ _____ _____ _____	<u>Observation of gas collection system blower, motor, other appurtenance, and piping indicate they are in satisfactory condition and are being serviced on schedule by MSD Urban Area maintenance personnel. A logbook of maintenance activity being conducted by MSD was available inside the blower house.</u> _____
<u>C-7</u> _____ _____	<u>During observation of the gas collection wells, it was noted that several concrete well collars had been damaged by site mowing activity.</u> _____
<u>C-8</u> _____ _____	<u>During observation of the gas collection wells, it was noted that several well head and valve covers were missing.</u> _____
<u>C-12</u> _____ _____ _____	<u>It was observed that all of the gas collection well identification signs were missing. The missing and damaged signs are the result of these signs being used as targets by person(s) firing small arms on the site.</u> _____

Comment No.

Corrective Action Performed

<u>C-3</u> _____	<u>No corrective action required.</u> _____
<u>C-7</u> _____ _____	<u>Repair of damaged concrete well collars to be scheduled with installation of new gas collection well markers.</u> _____
<u>C-8</u> _____ _____	<u>Missing gas collection well and valve covers to be replaced coincident with concrete well collar repair work.</u> _____
<u>C-12</u> _____ _____ _____ _____	<u>Planning in progress to install railroad rail markers secured in concrete during FY 93, Third and Fourth Quarters, in order to eliminate damage caused by small arms fire. Railroad rail markers will be painted yellow as a caution signal to independent contractors whil mowing on site and identified with the appropriate gas well number.</u> _____ _____
<u>(CONTINUED ON NEXT PAGE)</u> _____	

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LEE'S LANE LANDFILL SITE, LOUISVILLE, KENTUCKY

Observation Report No. FY93-20 Date of Observation: 12/15/92

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Comment No:

Comment

D-2 Observed minor damage to gas well guard rails on Gas Well No. 1.

D-5 No evidence of surface water infiltration was noted going into those gas collection wells observed.

D-8 Could not observe condition of tubing and fittings on gas wells because of security locks.

E-7 Observed evidence of vegetation growth in the lower section of the riprap protecting the bank portion of the clay cap area located in the central tract of the landfill site.

E-8 Observed evidence of drift debris caused by high Ohio River water levels deposited on the lower portion of the riprapped bank portion of the clay cap.

Comment No.

Corrective Action Performed

D-2 Need to schedule welder to repair guard rail on Gas Well No. 1 during FY 93, Fourth Quarter.

D-5 No corrective action required.

D-8 No corrective action required.

E-7 Spraying of growth in riprapped section of clay cap area will be scheduled for FY 93, Fourth Quarter.

E-8 No corrective action proposed to remove drift from riprapped section of clay cap area because of the lack of access in order to accomplish removal. Drift debris is not causing any problem at this time.

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Comment No:

Comment

F-1 Observed the major surface drainage swale crossing the access road and discharging at the top of the riprap section to be in good condition with no erosion evident or water standing.

F-5 Observed water ponded at entry to culvert crossing access road and discharging to surface drainage swale.

Comment No.

Corrective Action Performed

F-1 MSD will continue to monitor major drainage swale at quarterly intervals.

F-5 Add 610 stone and dirt or sand to level out depressed ponding area in front of culvert headwall. Schedule work for FY 93, Fourth Quarter.



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LEE'S LANE LANDFILL SITE, LOUISVILLE, KENTUCKY

Observation Report No. FY93-20 Date of Observation 12/15/92

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Site Map

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Signature of Observer: *CD Hamayn* Date: December 15, 1992